



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera

Atrium Companies, Inc.
9001 Ambassador Row
Dallas, TX 75247

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "2550/TW" Aluminum Fixed Window - N.I.

APPROVAL DOCUMENT: Drawing No. ATR034, titled Series 2550/TW Fixed Window", sheets 1 through 9 of 9, dated 01/21/12, prepared by Building Drops, Inc., signed and sealed by Alexis Spyrou, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA# 10-0817.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
6/28/12

NOA No. 12-0313.07
Expiration Date: March 24, 2016
Approval Date: July 05, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **ATR034**, titled "Series 2550/TW Fixed Window" Sheets 1 thru 9 of 9, dated 01/21/12, prepared by Building Drops, Inc., signed and sealed by Alexis Spyrou, P.E.

B. TESTS


1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a series 2550/TW round top and eyebrow top, aluminum fixed window, prepared by Certified Testing Laboratories, Test Report No. **CTLA-2021W**, dated 03/23/10 and addendum letter dated 01/11/11, all signed and sealed by Ramesh Patel, P.E.
(Submitted under previous NOA #10-0817.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a series 2550/TW rectangular and round top, aluminum fixed window, prepared by Certified Testing Laboratories, Test Report No. **CTLA-1996W**, dated 12/02/09 and addendum letter dated 01/11/11, all signed and sealed by Ramesh Patel, P.E.
(Submitted under previous NOA #10-0817.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by Building Drops, Inc., dated 01/22/12, signed and sealed by Alexis Spyrou, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0313.07
Expiration Date: March 24, 2016
Approval Date: July 05, 2012

Atrium Companies, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS


1. None.

F. STATEMENTS

1. Statement letter of conformance and compliance with the FBC-2007 and FBC-2010, and of no financial interest, dated February 01, 2012, signed and sealed by Alexis Spyrou, P.E.
2. Asset purchase agreement dated 12/30/09, signed by Mr. Kevin P. O'Meara and Mr. Phil Ragona.
(Submitted under previous NOA# 11-0330.02)

G. OTHER

1. Notice of Acceptance No. **10-0817.04**, issued to Atrium Florida, Inc. for their Series "2550/TW" Aluminum Fixed Window - N.I.", approved on 03/24/11 and expiring on 03/24/16.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0313.07
Expiration Date: March 24, 2016
Approval Date: July 05, 2012

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF $\pm 1/2$ INCH (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. **FLANGE:** FOR INSTALLATION INTO WOOD FRAMING USE #14 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. **FLANGE:** FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 1/4 INCH DIAMETER ITW TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/4 INCH MINIMUM EMBEDMENT.
7. **FLANGE:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE 1/4-14 ITW TEK SELECT OR SAE GR. 5 SELF DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. **FIN:** FOR INSTALLATION INTO WOOD FRAMING USE #8 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
9. **FIN:** FOR INSTALLATION INTO METAL STUD OR APPROVED MULLION USE #8 ITW TEK SELECT OR #8 SAE GR. 5 SELF DRILLING SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 3 THREADS PENETRATION BEYOND METAL FRAME SUBSTRATE.
10. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
11. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
12. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
13. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
14. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
- A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
- B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
- C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 1924 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
- D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 1924 PSI.
- E. STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM WALL THICKNESS OF 59.8 MIL (0.0598" or 16 GAUGE). MIN. 1/2" EDGE DISTANCE.
- F. ALUMINUM - MINIMUM ALLOY 6063-T5. MINIMUM WALL THICKNESS OF 1/8" (0.125"). MIN. 1/2" EDGE DISTANCE

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- TAS 202-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE PERA.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: ALUMINUM 6063-T52
7. IN ACCORDANCE WITH THE 2010 FBC SEC. 2003.8.4 DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED AS DEFINED IN SEC 2003.8.4.2.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS. SEE SHEET 8 FOR GLAZING DETAILS.
9. ALL UNITS UNDER THIS APPROVAL SHALL USE SETTING BLOCKS IN COMPLIANCE WITH FBC SECTION 2411.3.3.1

MISSILE IMPACT RATING

NON-IMPACT

ATRIUM COMPANIES, INC.

2550/TW FIXED WINDOW (NON-IMPACT)

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5	-	VERTICAL SECTIONS
6	-	HORIZONTAL SECTIONS
7	-	DESIGN LOAD CAPACITY TABLES
8	-	GLAZING DETAILS
9	-	COMPONENTS, BILL OF MATERIALS, & CORNER SECTIONS

ATRIUM
COMPANIES, INC.

9001 AMBASSADOR ROW
DALLAS, TEXAS 75247

PH: (214) 637-2696 FX: (214) 424-6734

TITLE: SERIES 2550/TW FIXED WINDOW
GENERAL AND INSTALLATION NOTES
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

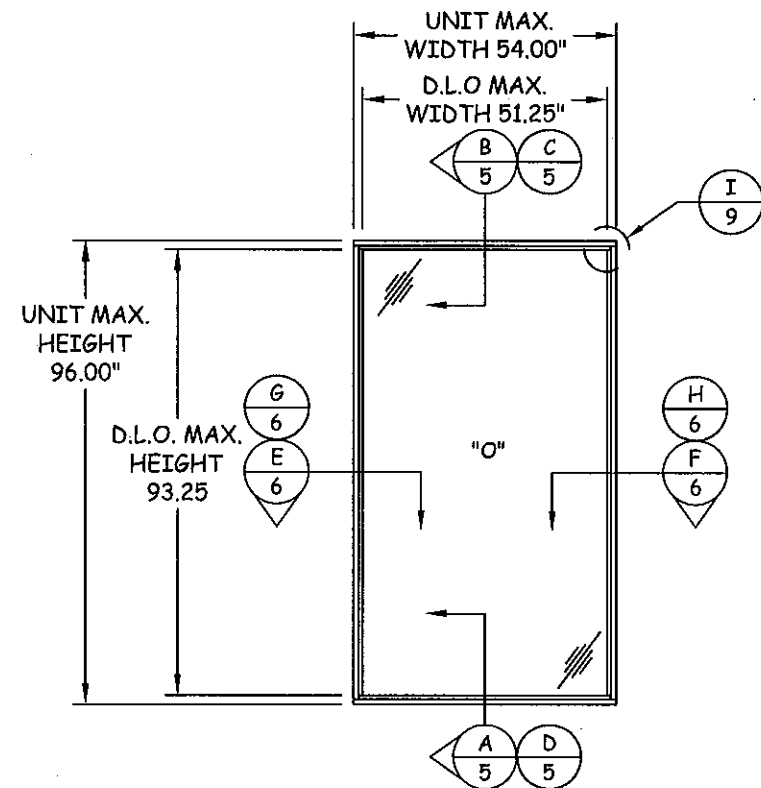
NO.	DESCRIPTION	BY	DATE

ALEXIS SPYROU
LICENSE
No 68101
STATE OF FLORIDA
7-3-12
PROFESSIONAL ENGINEER
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 29578

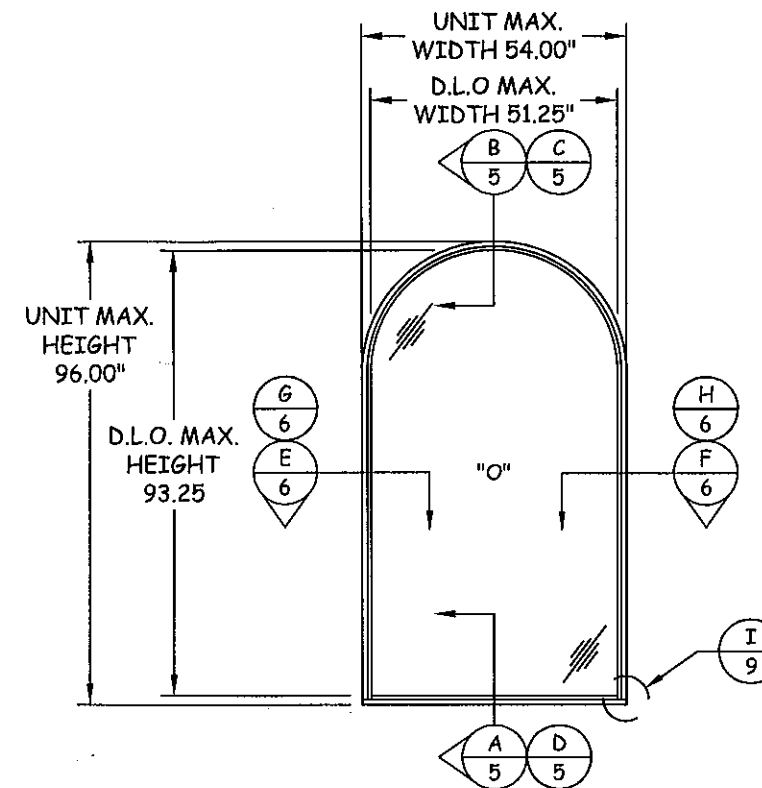
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0313.07
Expiration Date March 24, 2016
By *Mamuel Perez*
Miami Dade Product Council

DATE: 01.21.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS
DWG #: ATR034
SHEET: 1 OF 9

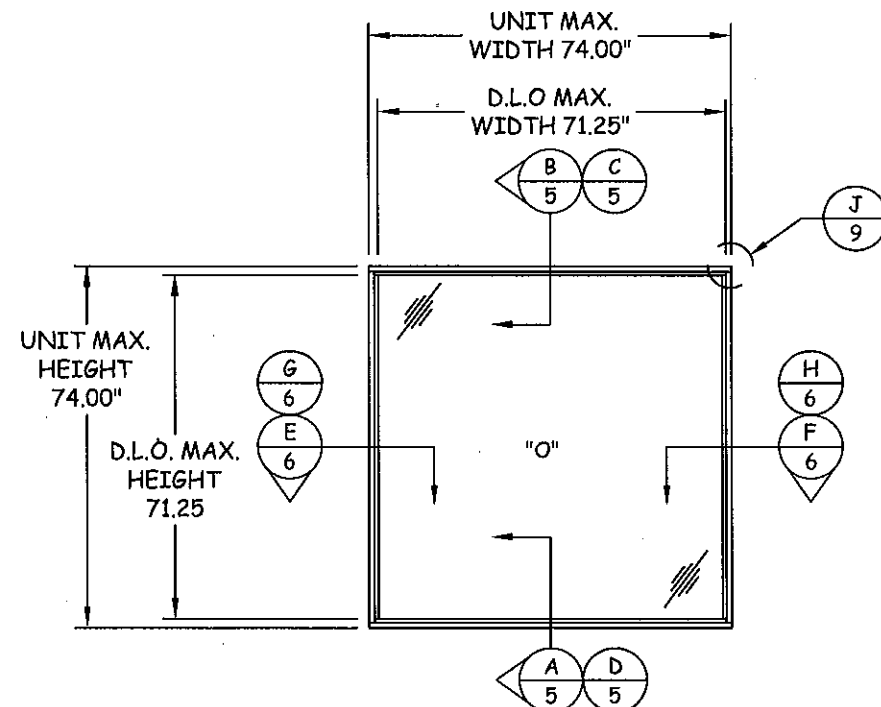
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127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366



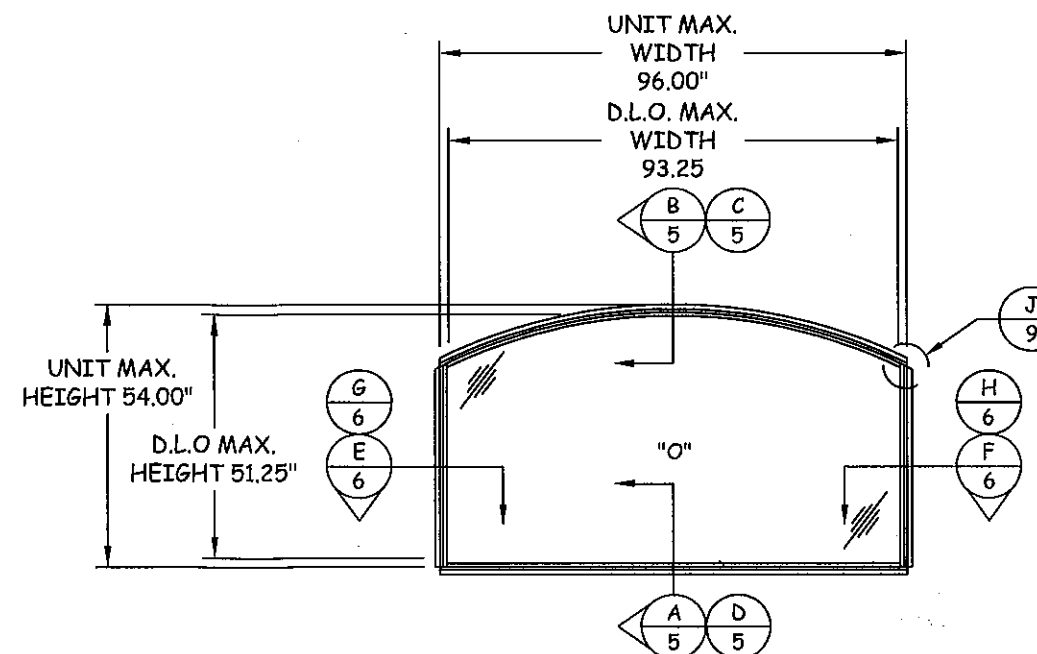
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TYPICAL RECTANGULAR UNIT



ELEVATION
TYPICAL COLONIAL ARCH UNIT



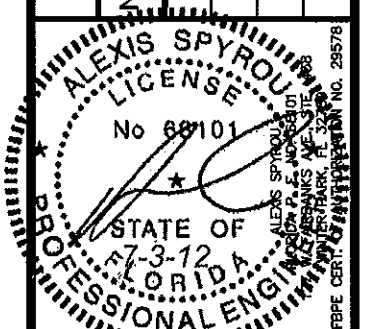
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TYPICAL SQUARE UNIT



ELEVATION
TYPICAL EYEBROW UNIT

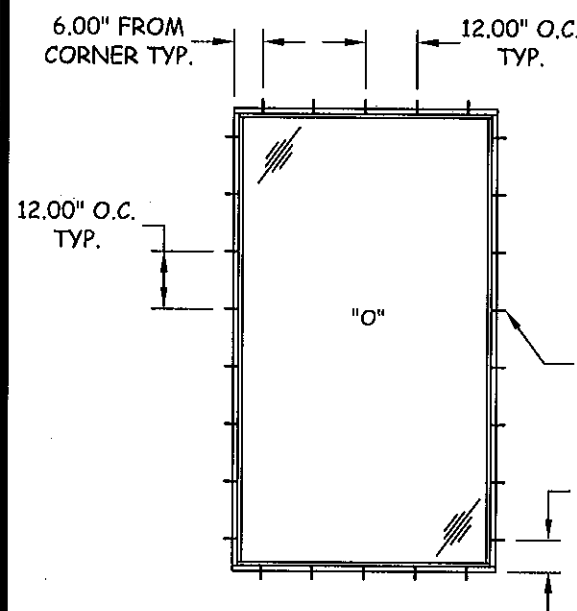
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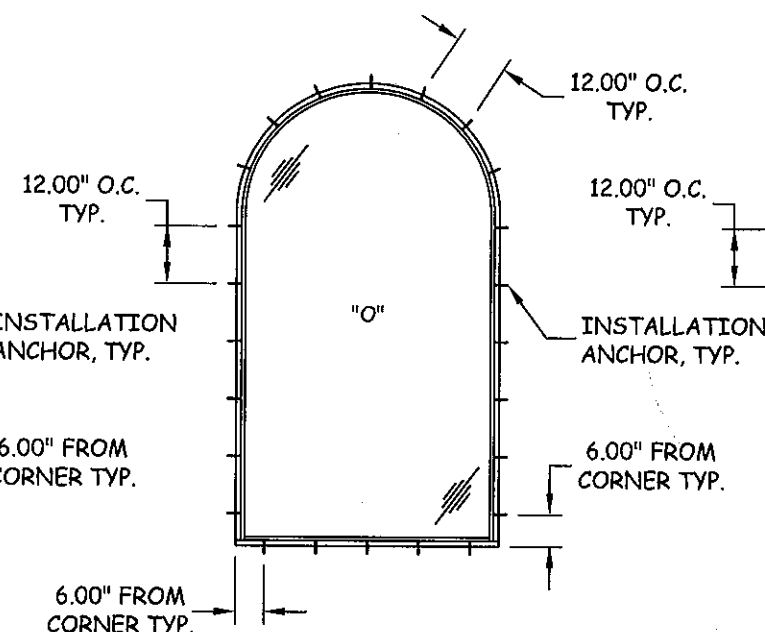


PRODUCT REVISED
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Building Code
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By: *Manuel Diaz*
Miami/Dade Product Control

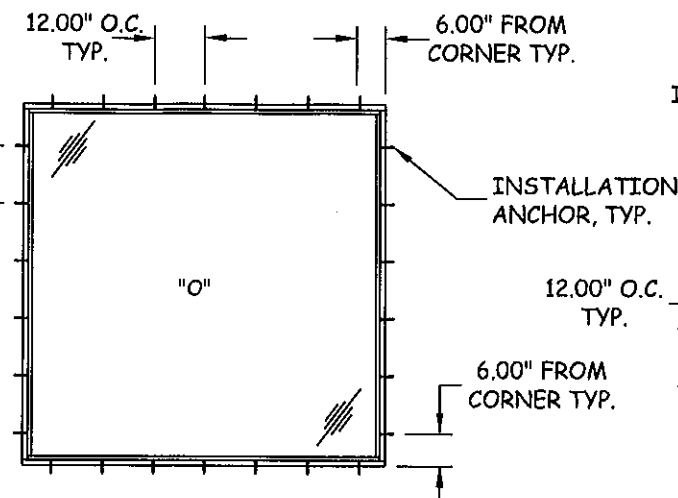
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CHK BY: HFN
SCALE: NTS
DWG #: **ATRO34**
SHEET: **2 OF 9**



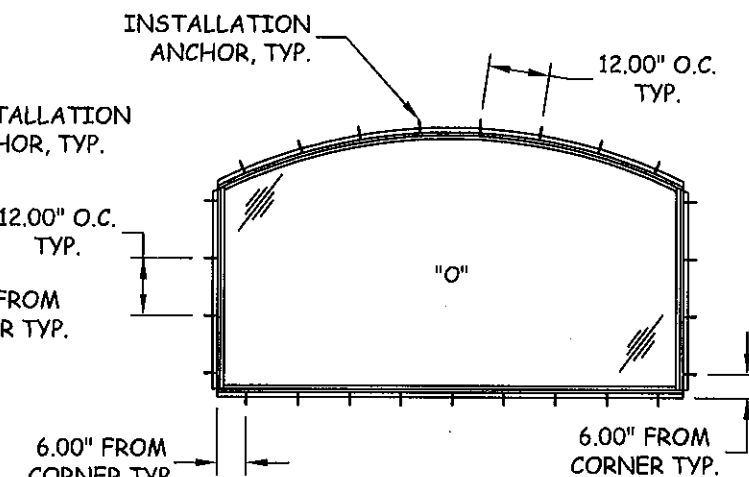
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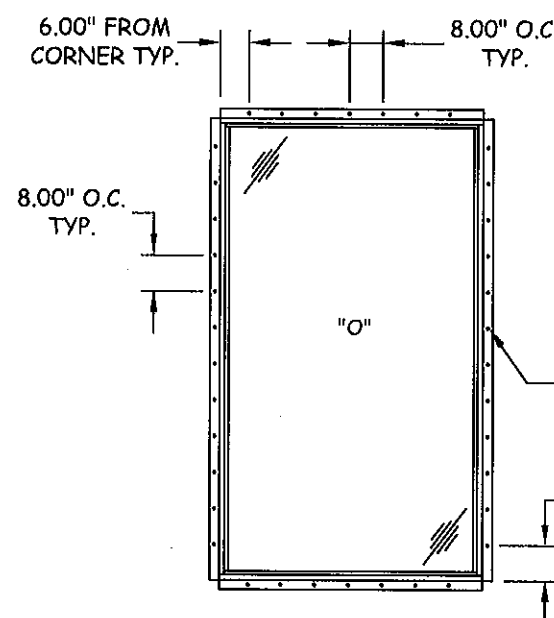
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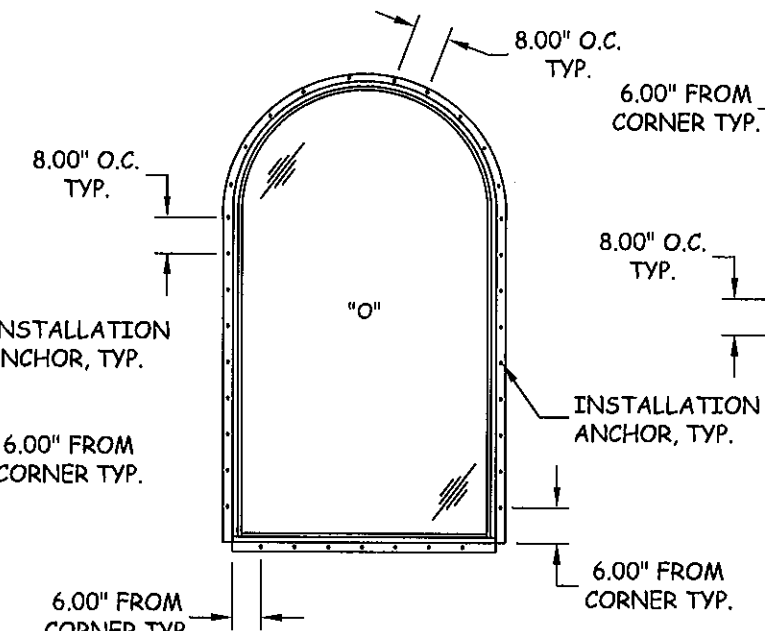
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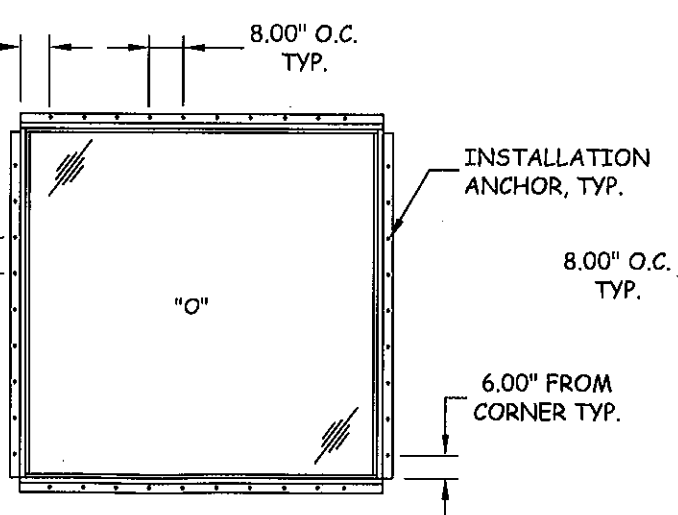
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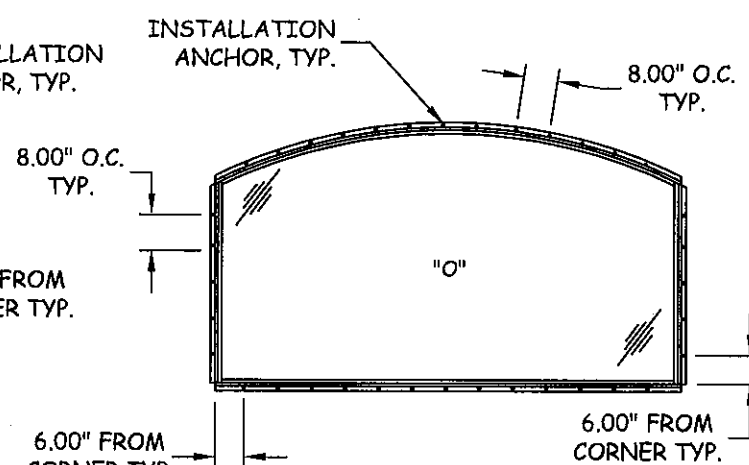
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FIN UNIT



ANCHOR LAYOUT
FIN UNIT



ANCHOR LAYOUT
FIN UNIT



ANCHOR LAYOUT
FIN UNIT

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ATRIUM
COMPANIES, INC.

9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

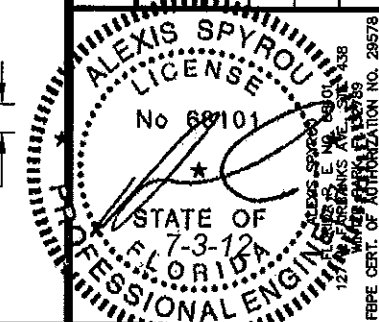
TITLE: SERIES 2550/TW FIXED
WINDOW
ANCHOR LAYOUTS

PREPARED BY:

BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE



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CHK BY: HFN
SCALE: NTS

DWG #:

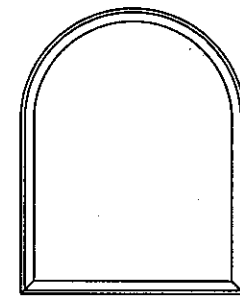
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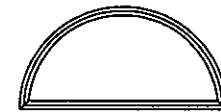
3 OF 9

TITLE: SERIES 2550/TW FIXED WINDOW QUALIFIED SHAPED UNITS
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127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

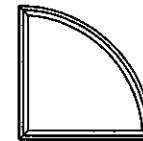
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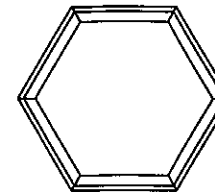
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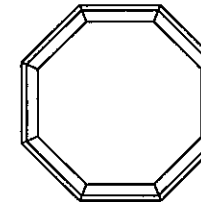
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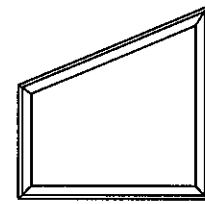
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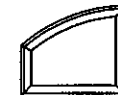
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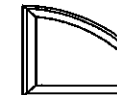
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SEGMENT
(FAN)



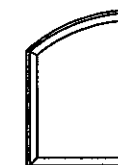
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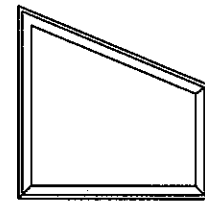
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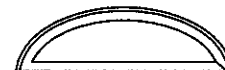
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L/H



EXTENDED
QUARTER
SEGMENT
R/H



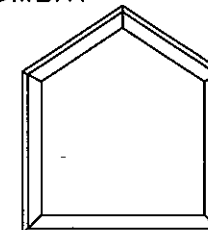
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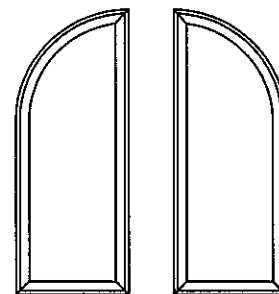
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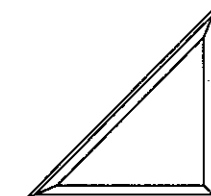
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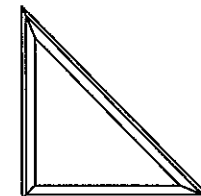
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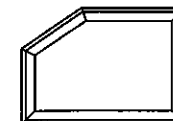
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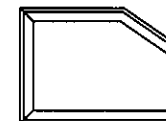
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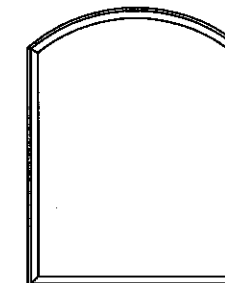
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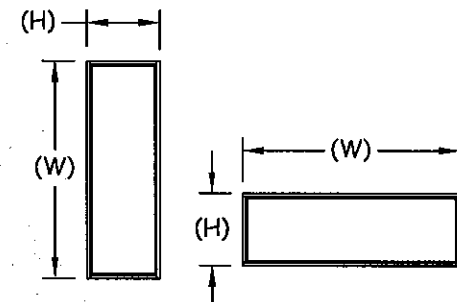
CLIPPED
CORNER
L/H



CLIPPED
CORNER
R/H



EXTENDED
CIRCLE
SEGMENT

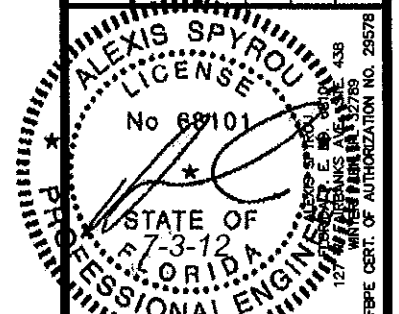


NOTE:
WINDOW WIDTH (W) AND HEIGHT
(H) ARE INTERCHANGEABLE FOR ALL
ELEVATIONS.

NOTE: 1. UNITS OF ANY SHAPE ARE ALLOWED PROVIDED CONSTRUCTION, GLAZING, & ANCHORAGE ARE PER
DETAILS SHOWN HEREIN.
2. ALL SHAPED UNITS SHALL FIT WITHIN THE RECTANGULAR AREAS SHOWN IN SHEET 2.

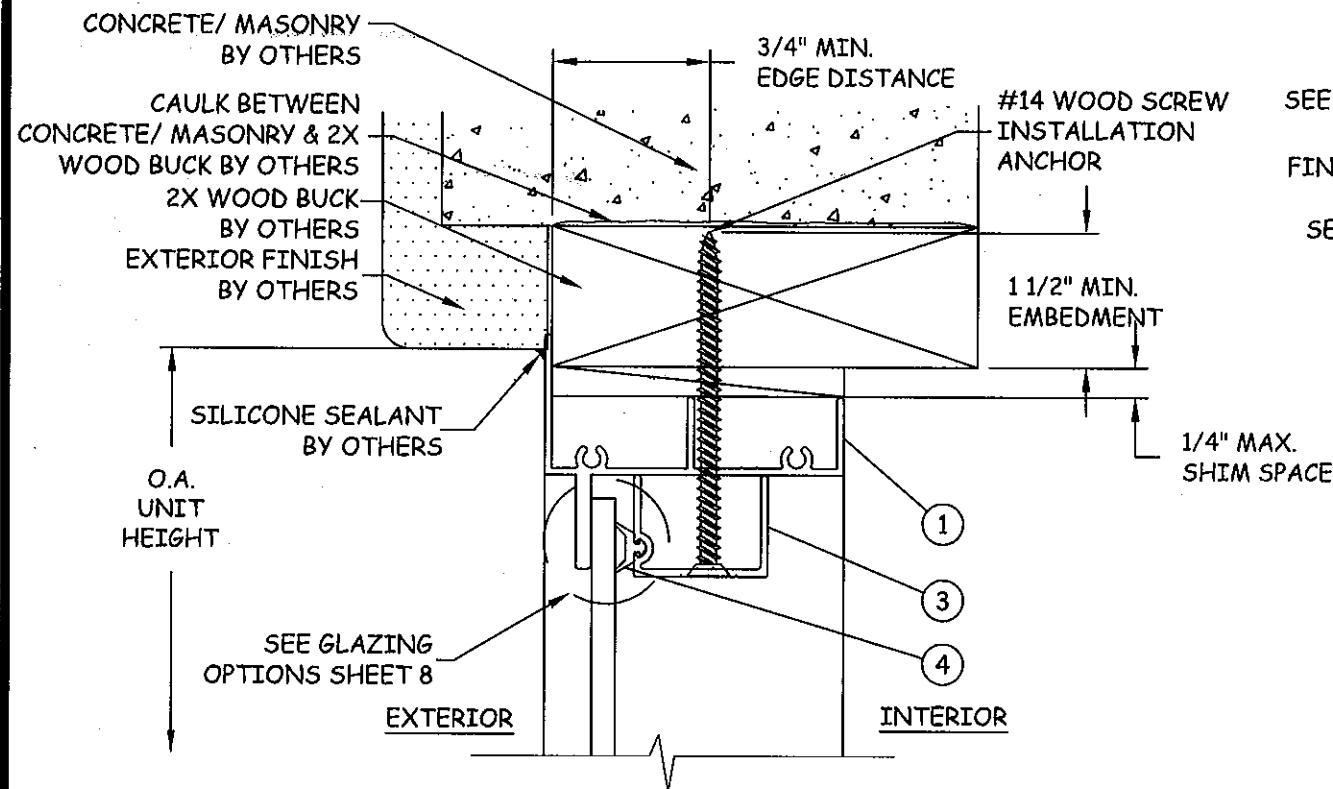
REVISIONS

NO.	DESCRIPTION	BY	DATE

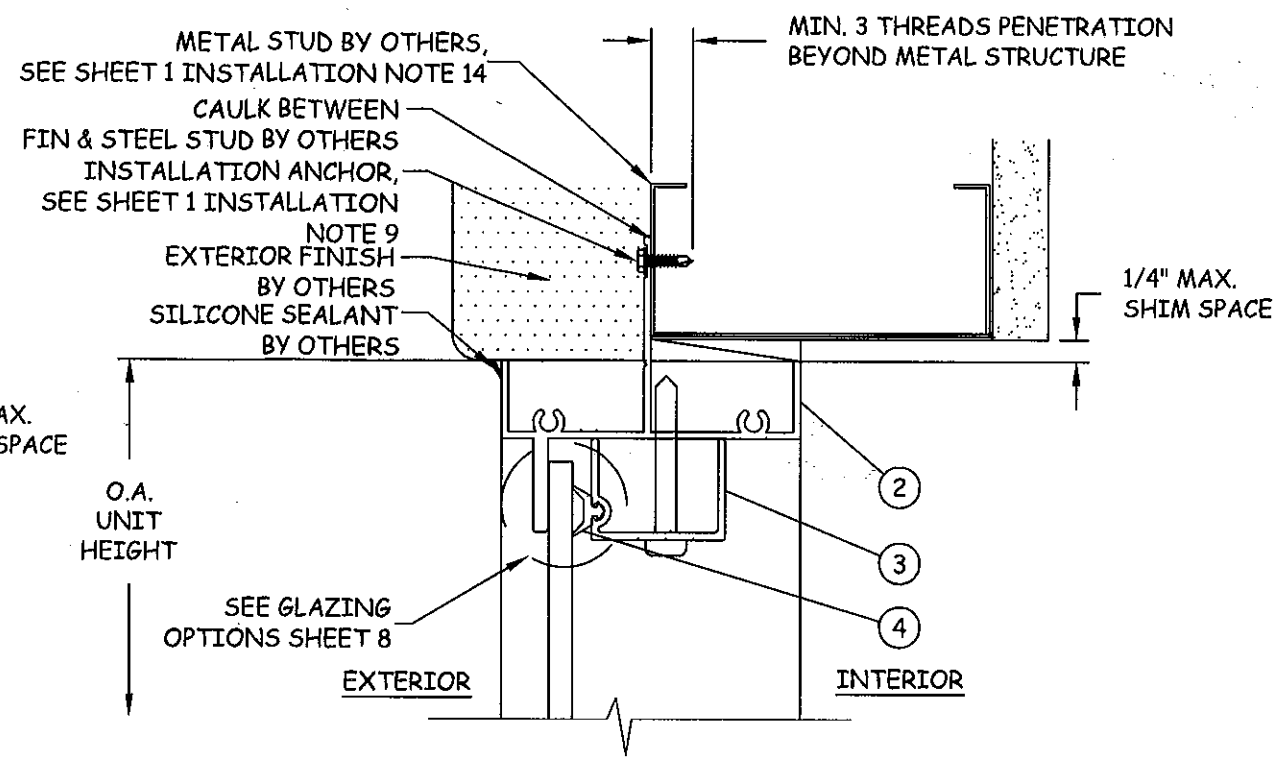


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0313.07
Expiration Date March 24, 2016
By: *Maurice Perez*
Miami Dade Product Control

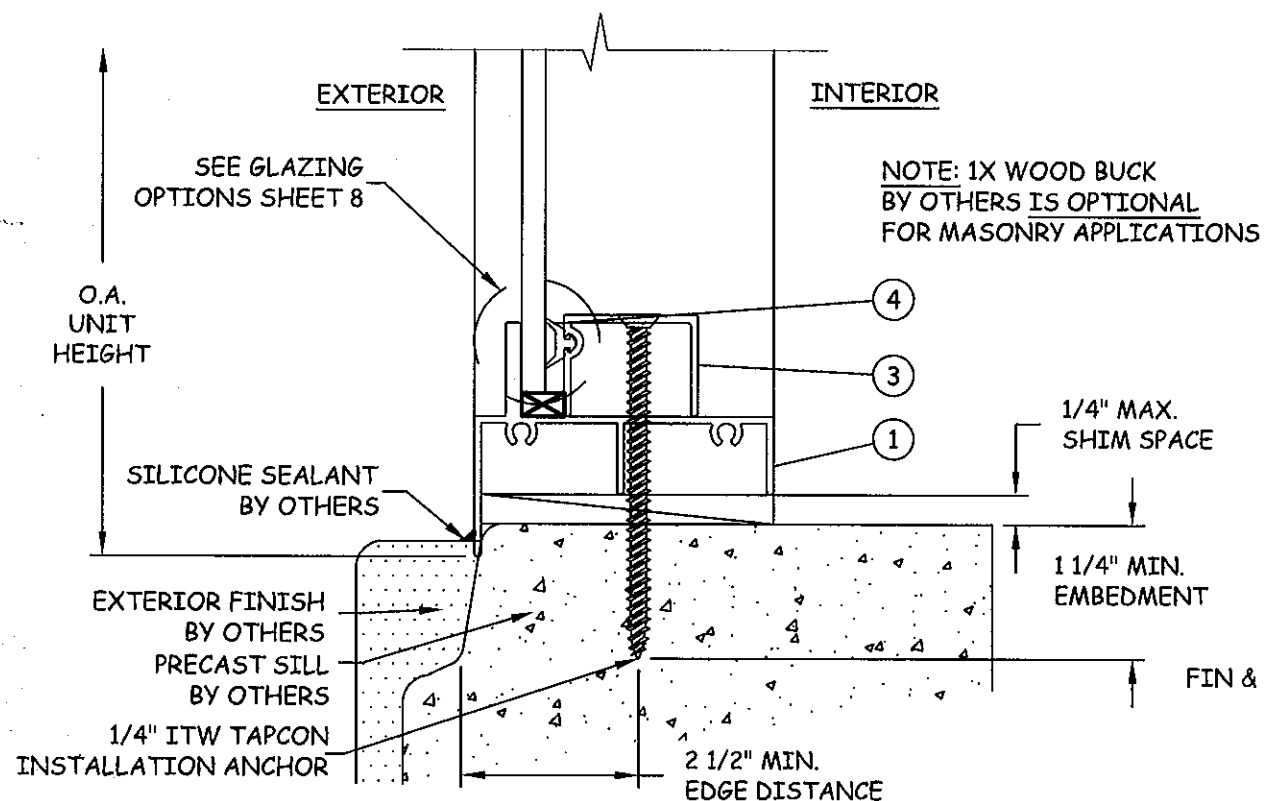
DATE: 01.21.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS
DWG #: ATR034
SHEET: 4 OF 9



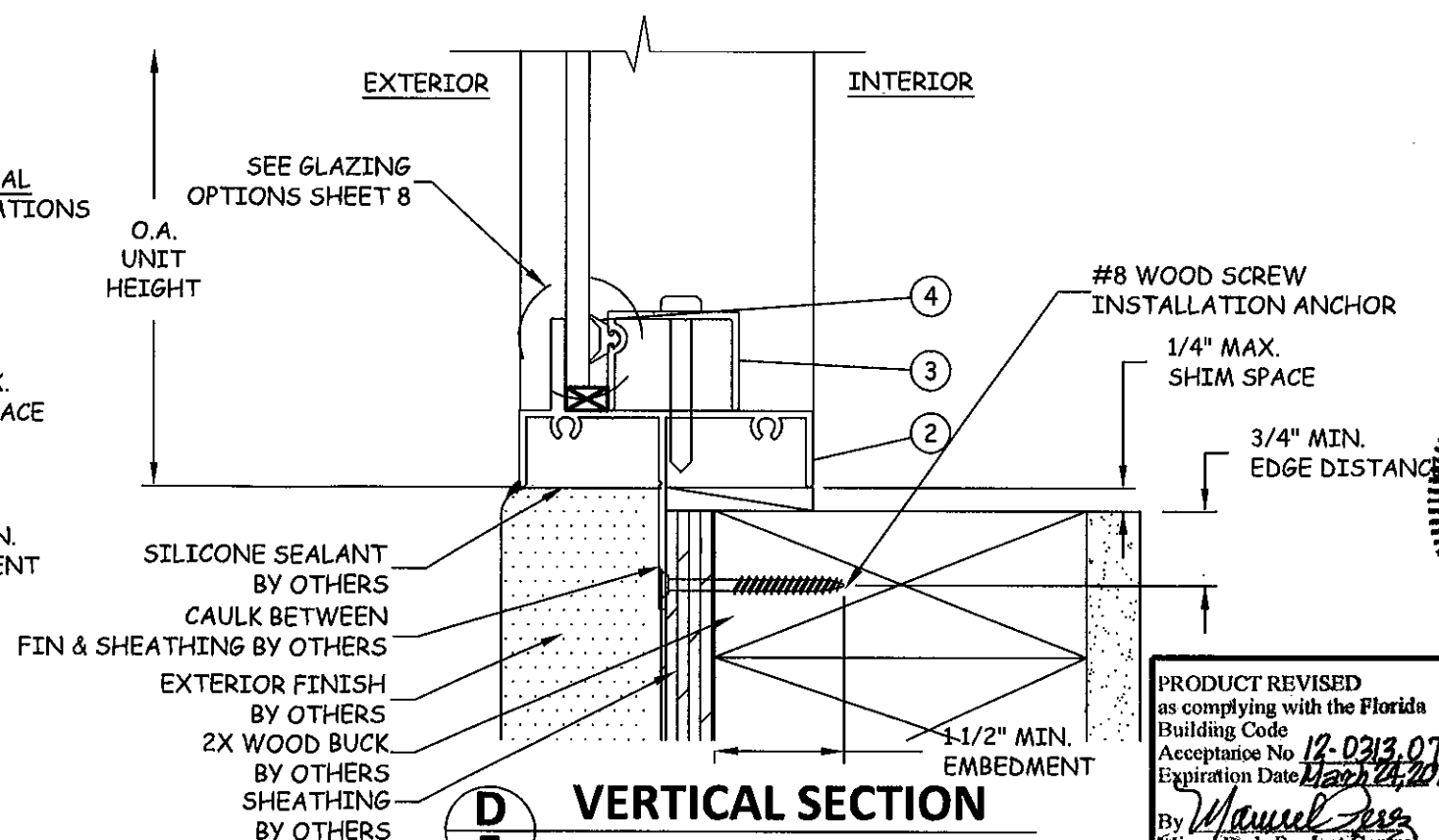
B
5 **VERTICAL SECTION**
HEAD - 2X WOOD BUCK
FLANGE FRAME INSTALLATION



C
5 **VERTICAL SECTION**
HEAD - METAL STUD
FIN FRAME INSTALLATION



A
5 **VERTICAL SECTION**
SILL - CONCRETE/MASONRY
FLANGE FRAME INSTALLATION



D
5 **VERTICAL SECTION**
SILL - 2X WOOD FRAME
FIN FRAME INSTALLATION

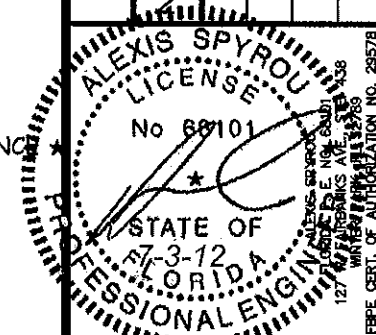
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0313.07
Expiration Date March 24, 2016
By *Manuel Perez*
Miami Made Product Control

ATRIUM
COMPANIES, INC.

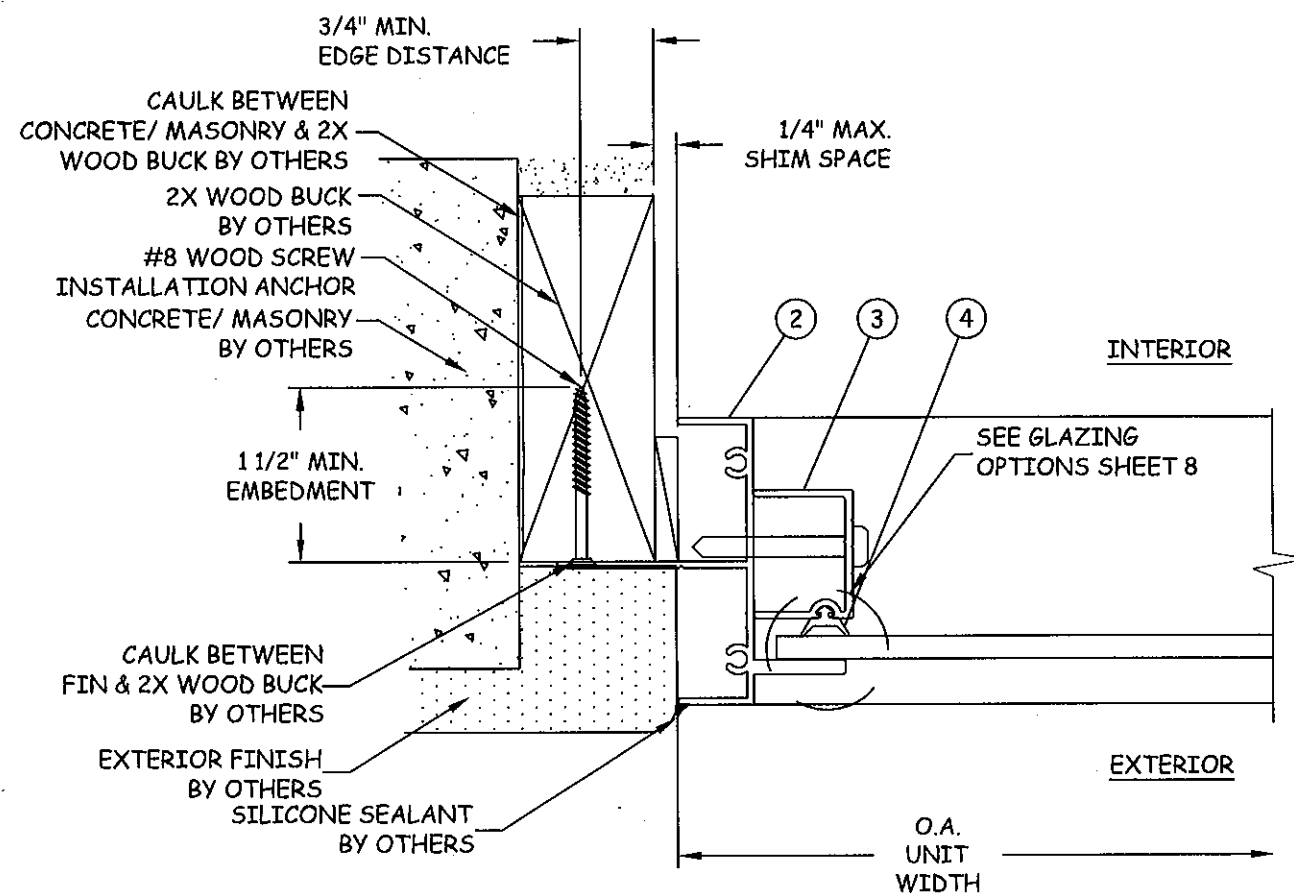
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: SERIES 2550/TW FIXED
WINDOW
VERTICAL SECTIONS
PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

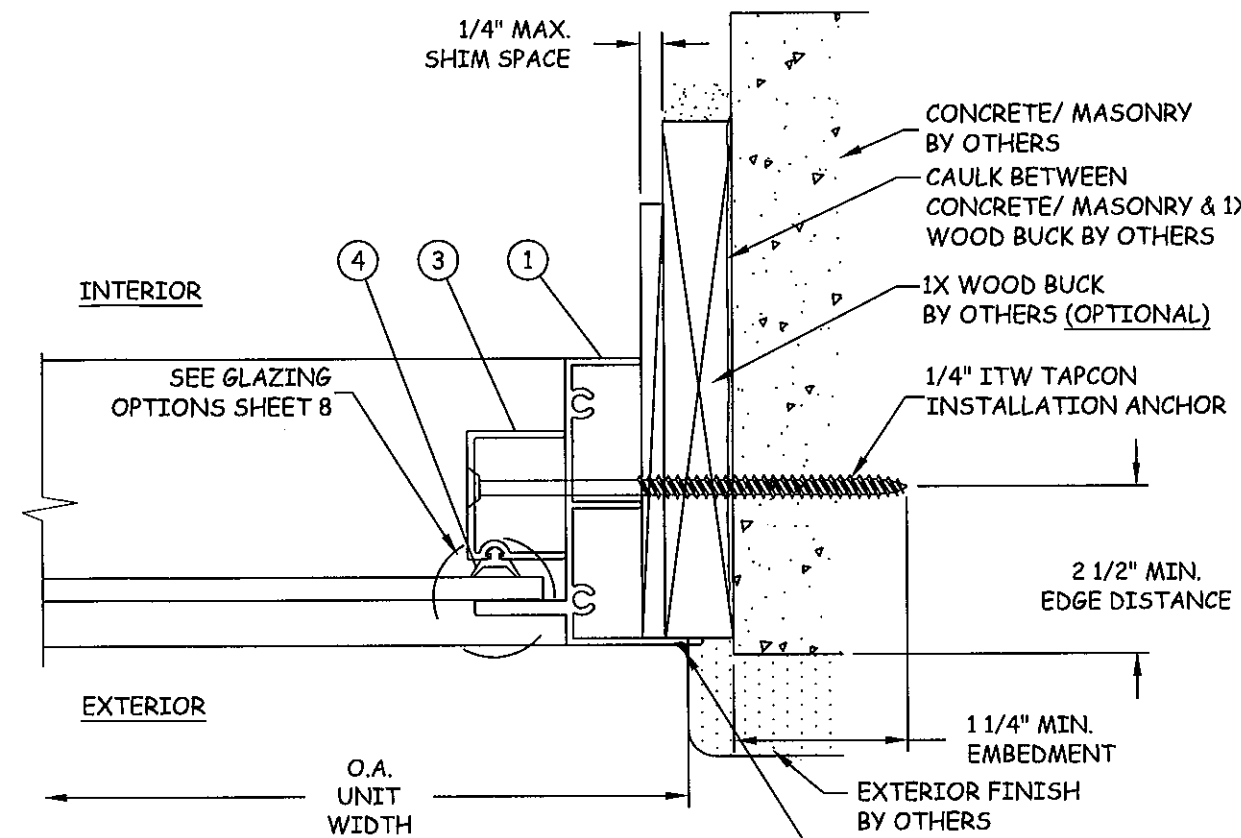
REVISIONS	DESCRIPTION	BY	DATE



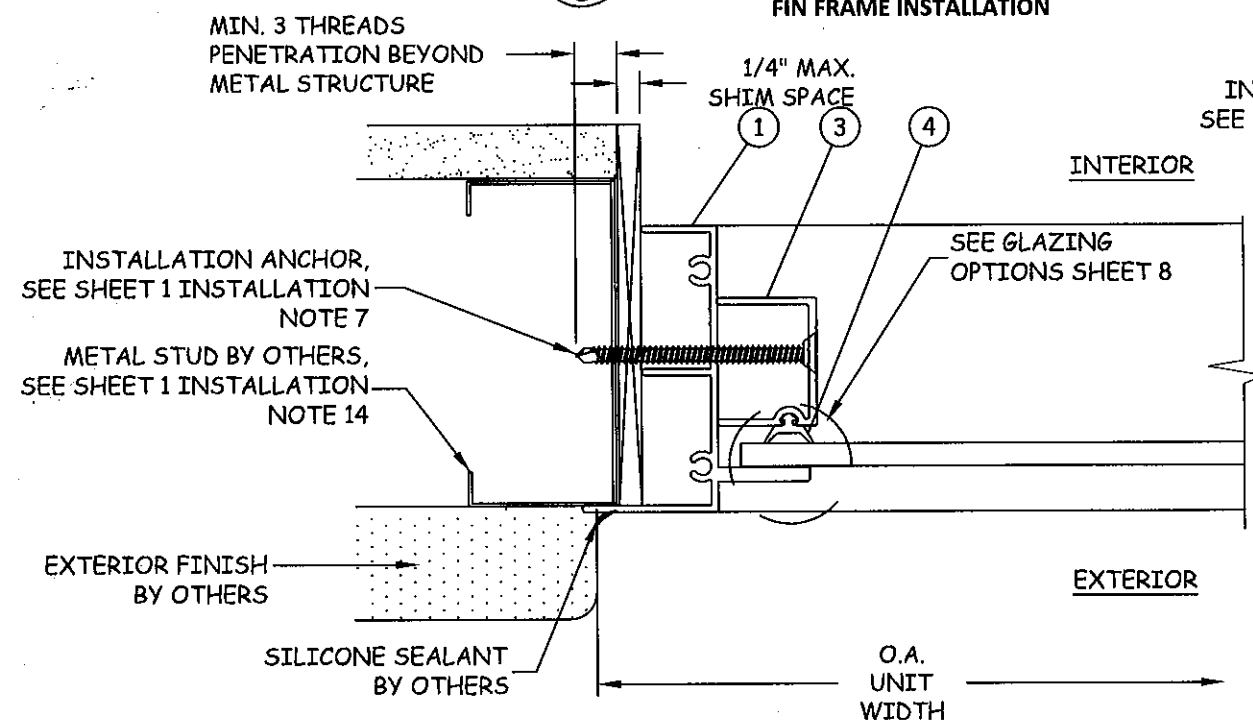
DATE: 01.21.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS
DWG #: **ATR034**
SHEET: **5 OF 9**



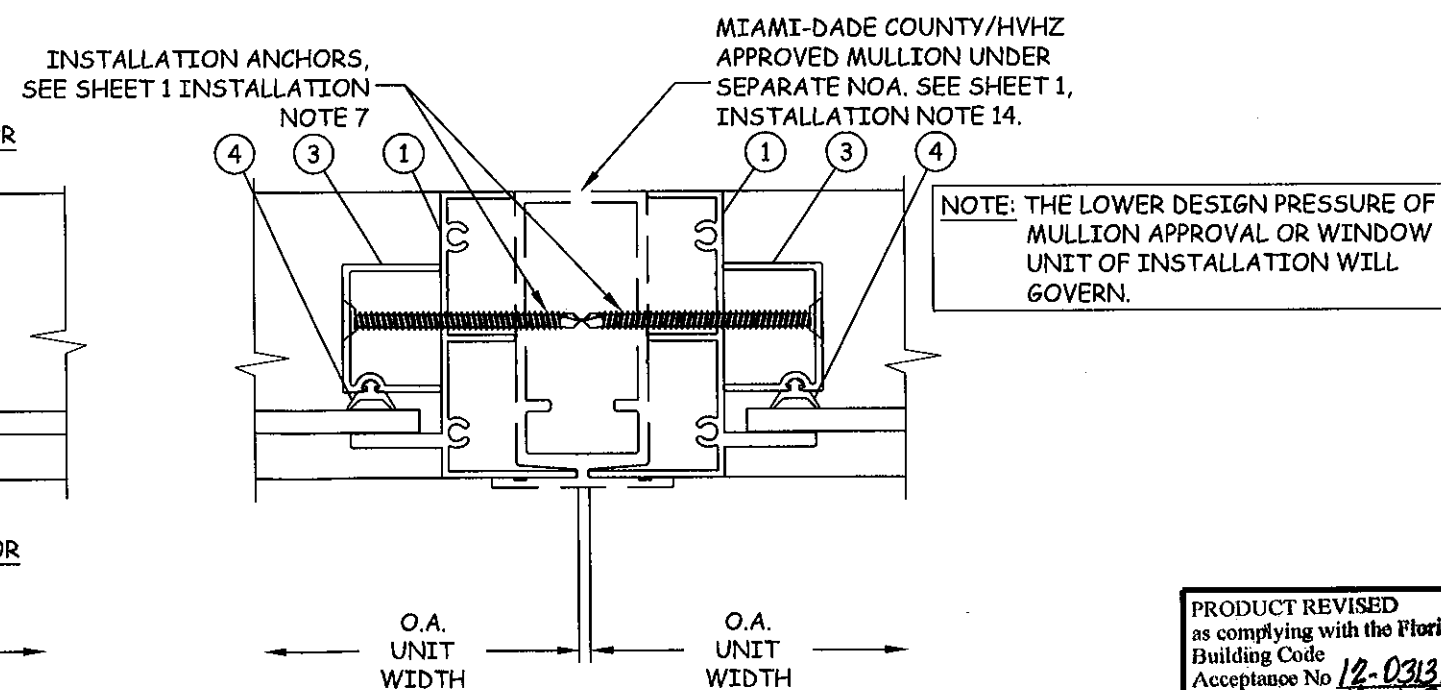
E 6 HORIZONTAL SECTION



F **6** **HORIZONTAL SECTION** **JAMB - CONCRETE/MASONRY** **FLANGE FRAME INSTALLATION**



G6 HORIZONTAL SECTION



HORIZONTAL SECTION

NOTE: THE LOWER DESIGN PRESSURE OF MULLION APPROVAL OR WINDOW UNIT OF INSTALLATION WILL GOVERN.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0313.07
Expiration Date March 24, 2011
By Manuel Perez
Miami Dade Product Control


ATRIUM
COMPANIES, INC.

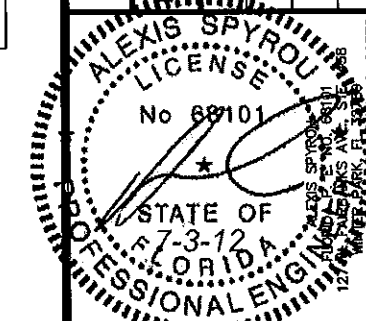
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

FILE: SERIES 2550/TW FIXED
WINDOW

WINDOW
HORIZONTAL SECTIONS

PREPARED BY:

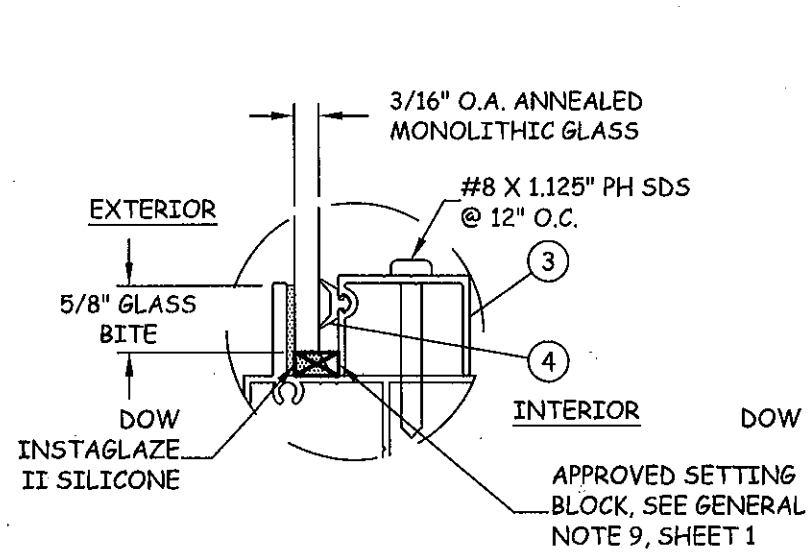
 **BUILDING DROPS**
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

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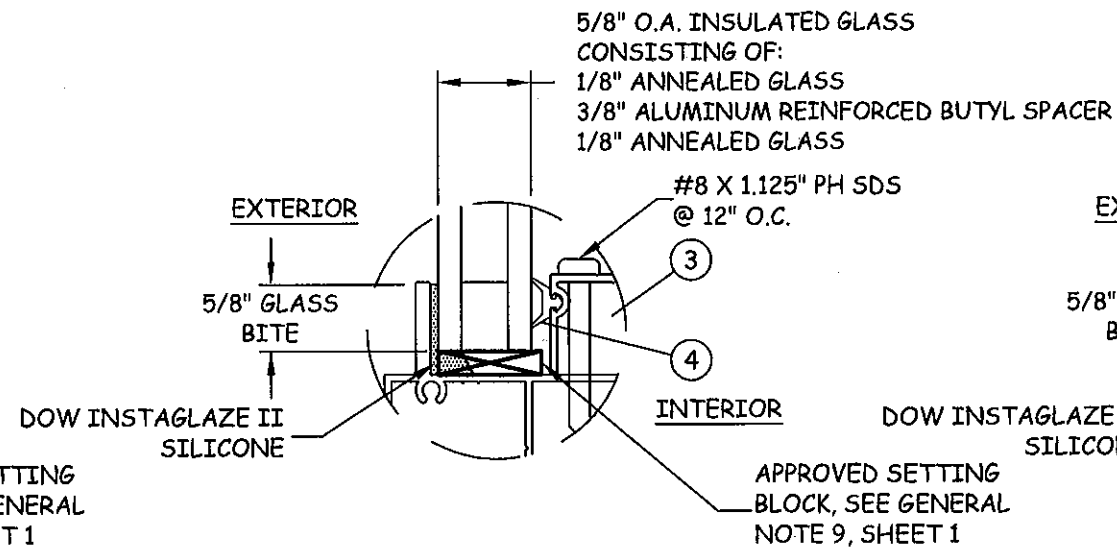
DATE: 01.21.12	DWN BY: JLA	CHK BY: HFN	SCALE: NTS
DWG #: ATRO34			
SHEET: 6 OF 9			

DESIGN LOAD CAPACITY - PSF											
WIDTH (IN)	LENGTH (IN)	GLASS TYPE A		GLASS TYPE B		GLASS TYPE C		GLASS TYPE D		GLASS TYPE E	
		+POS	-NEG	+POS	-NEG	+POS	-NEG	+POS	-NEG	+POS	-NEG
18	18	100.0	87.5	100.0	112.5	100.0	87.5	100.0	187.5	100.0	187.5
	24	88.3	88.3	80.0	80.0	100.0	87.5	100.0	187.5	100.0	187.5
	25	84.3	84.3	87.5	87.5	100.0	87.5	100.0	187.5	100.0	187.5
	27	80.9	80.9	84.4	84.4	100.0	87.5	100.0	187.5	100.0	187.5
	30	77.1	77.1	80.4	80.4	100.0	87.5	100.0	187.5	100.0	187.5
	32	75.1	75.1	78.3	78.3	100.0	87.5	100.0	187.5	100.0	187.5
	36	71.9	71.9	75.0	75.0	95.9	87.5	100.0	187.5	100.0	187.5
	37	71.3	71.3	74.3	74.3	95.1	87.5	100.0	187.5	100.0	187.5
	42	--	--	71.6	71.6	91.6	87.5	100.0	187.5	100.0	187.5
	48	--	--	69.2	69.2	88.5	87.5	100.0	187.5	100.0	187.5
	54	--	--	67.5	67.5	86.3	86.3	100.0	187.5	100.0	187.5
	60	--	--	--	--	84.6	84.6	100.0	187.5	100.0	187.5
30	24	89.3	83.3	86.8	86.8	100.0	87.5	100.0	187.5	100.0	187.5
	30	72.8	72.8	75.9	75.9	97.1	87.5	100.0	187.5	100.0	187.5
	35	67.2	67.2	70.1	70.1	89.7	87.5	100.0	187.5	100.0	187.5
	42	--	--	66.4	66.4	85.0	85.0	100.0	187.5	100.0	187.5
	48	--	--	63.9	63.9	81.8	81.8	100.0	187.5	100.0	187.5
	54	--	--	62.1	62.1	79.5	79.5	100.0	178.6	100.0	178.6
	18	18.0	18.0	100.0	112.5	100.0	87.5	100.0	187.5	100.0	187.5
	24	76.4	76.4	84.4	84.4	100.0	87.5	100.0	187.5	100.0	187.5
	25	76.2	76.2	81.0	81.0	100.0	87.5	100.0	187.5	100.0	187.5
	27	72.2	72.2	75.2	75.2	96.2	87.5	100.0	187.5	100.0	187.5
	30	66.2	66.2	69.1	69.1	88.3	87.5	100.0	187.5	100.0	187.5
	32	63.3	63.3	66.0	66.0	84.4	84.4	100.0	187.5	100.0	187.5
25.5	36	59.0	59.0	61.5	61.5	78.6	78.6	100.0	176.8	100.0	176.8
	37	58.1	58.1	60.6	60.6	77.5	77.5	100.0	174.2	100.0	174.2
	42	--	--	57.0	57.0	72.9	72.9	100.0	163.9	100.0	163.9
	48	--	--	54.1	54.1	69.2	69.2	100.0	155.4	100.0	155.4
	54	--	--	52.0	52.0	66.5	66.5	100.0	149.4	100.0	149.4
	60	--	--	--	--	64.5	64.5	100.0	145.0	100.0	145.0
	66	--	--	--	--	62.9	62.9	100.0	141.5	100.0	141.5
	72	--	--	--	--	61.7	61.7	100.0	138.7	100.0	138.7
	18	80.9	80.9	100.0	112.5	100.0	87.5	100.0	187.5	100.0	187.5
	24	72.8	72.8	84.4	84.4	100.0	87.5	100.0	187.5	100.0	187.5
	25	72.3	72.3	81.0	81.0	100.0	87.5	100.0	187.5	100.0	187.5
	27	71.9	71.9	75.0	75.0	99.9	87.5	100.0	187.5	100.0	187.5
27	30	65.4	65.4	68.2	68.2	87.2	87.2	100.0	187.5	100.0	187.5
	32	62.2	62.2	64.9	64.9	83.0	83.0	100.0	186.5	100.0	186.5
	35	57.6	57.6	60.0	60.0	76.7	76.7	100.0	172.5	100.0	172.5
	37	56.6	56.6	59.0	59.0	75.5	75.5	100.0	169.7	100.0	169.7
	42	--	--	55.3	55.3	70.7	70.7	100.0	158.9	100.0	158.9
	48	--	--	52.2	52.2	66.7	66.7	100.0	150.0	100.0	150.0
	54	--	--	50.0	50.0	64.0	64.0	100.0	143.8	100.0	143.8
	60	--	--	--	--	61.9	61.9	100.0	139.1	100.0	139.1
	66	--	--	--	--	60.3	60.3	100.0	135.5	100.0	135.5
	72	--	--	--	--	59.0	59.0	100.0	132.7	100.0	132.7
	78	--	--	--	--	--	--	100.0	130.4	100.0	130.4
	84	--	--	--	--	--	--	100.0	128.5	100.0	128.5
30	90	--	--	--	--	--	--	100.0	126.8	100.0	126.8
	96	--	--	--	--	--	--	100.0	125.5	100.0	125.5
	30	64.8	64.8	--	--	86.3	86.3	100.0	187.5	100.0	187.5
	32	60.9	60.9	--	--	81.3	81.3	100.0	182.6	100.0	182.6
	36	55.5	55.5	--	--	74.0	74.0	100.0	166.3	100.0	166.3
	37	54.4	54.4	--	--	72.6	72.6	100.0	163.2	100.0	163.2
	42	--	--	--	--	67.1	67.1	100.0	150.9	100.0	150.9
	48	--	--	--	--	62.8	62.8	100.0	143.1	100.0	143.1
	54	--	--	--	--	59.8	59.8	100.0	134.4	100.0	134.4
	60	--	--	--	--	57.6	57.6	100.0	129.4	100.0	129.4
	66	--	--	--	--	55.9	55.9	100.0	125.6	100.0	125.6
	72	--	--	--	--	54.5	54.5	100.0	122.6	100.0	122.6
	78	--	--	--	--	--	--	100.0	120.1	100.0	120.1
40	84	--	--	--	--	--	--	100.0	118.1	100.0	118.1
	90	--	--	--	--	--	--	100.0	116.4	100.0	116.4
	96	--	--	--	--	--	--	100.0	115.0	100.0	115.0

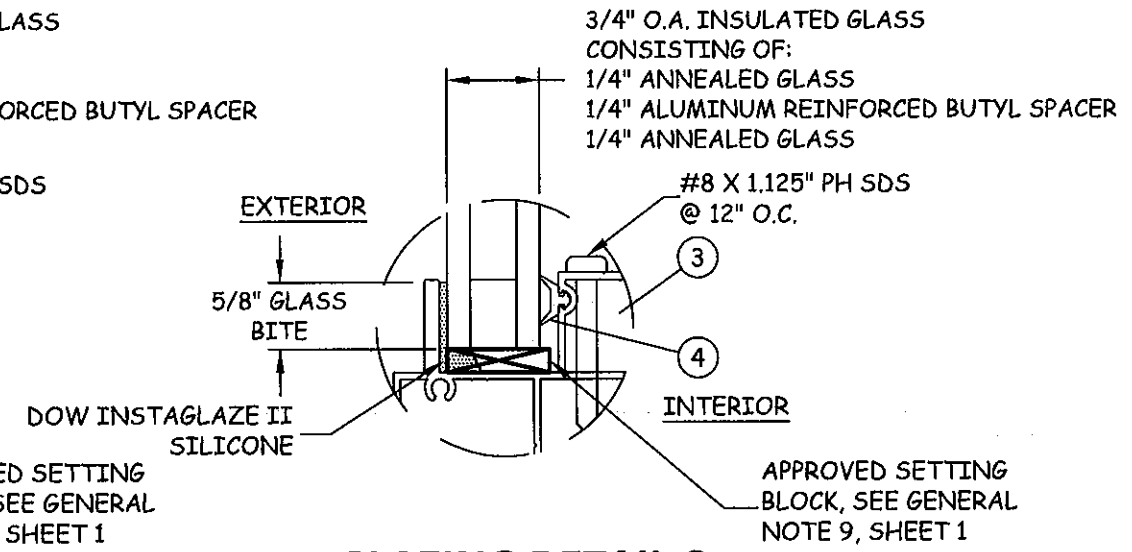
DESIGN LOAD CAPACITY - PSF												
WIDTH (IN)	LENGTH (IN)	GLASS TYPE A		GLASS TYPE B		GLASS TYPE C		GLASS TYPE D		GLASS TYPE E		
		+ POS	- NEG	+ POS	- NEG	+ POS	- NEG	+ POS	- NEG	+ POS	- NEG	
36"	18	71.9	71.9	--	--	95.9	87.5	100.0	187.5	100.0	187.5	
	24	60.7	60.7	--	--	80.9	80.9	100.0	187.5	100.0	187.5	
	25	59.5	59.5	--	--	79.4	79.4	100.0	187.5	100.0	187.5	
	27	57.6	57.6	--	--	76.7	76.7	100.0	187.5	100.0	187.5	
	30	55.5	55.5	--	--	74.0	74.0	100.0	187.5	100.0	187.5	
	32	54.6	54.6	--	--	72.8	72.8	100.0	181.9	100.0	181.9	
	36	54.0	54.0	--	--	71.9	71.9	100.0	161.7	100.0	161.7	
	37	52.5	52.5	--	--	70.1	70.1	100.0	157.5	100.0	157.5	
	42	--	--	--	--	63.0	63.0	100.0	141.5	100.0	141.5	
	48	--	--	--	--	57.6	57.6	100.0	129.4	100.0	129.4	
	54	--	--	--	--	54.0	54.0	100.0	121.3	100.0	121.3	
	60	--	--	--	--	51.4	51.4	100.0	115.5	100.0	115.5	
	66	--	--	--	--	49.5	49.5	100.0	111.2	100.0	111.2	
	72	--	--	--	--	48.0	48.0	100.0	107.8	100.0	107.8	
	78	--	--	--	--	--	--	100.0	105.1	100.0	105.1	
	84	--	--	--	--	--	--	100.0	102.9	100.0	102.9	
42"	90	--	--	--	--	--	--	100.0	101.1	100.0	101.1	
	96	--	--	--	--	--	--	99.5	99.5	99.5	99.5	
	42	--	--	--	--	61.7	61.7	100.0	138.6	100.0	138.6	
	48	--	--	--	--	54.8	54.8	100.0	123.2	100.0	123.2	
	54	--	--	--	--	50.5	50.5	100.0	113.4	100.0	113.4	
	60	--	--	--	--	47.4	47.4	100.0	106.6	100.0	106.6	
	66	--	--	--	--	45.2	45.2	100.0	101.7	100.0	101.7	
	72	--	--	--	--	43.5	43.5	97.8	97.8	97.8	97.8	
	78	--	--	--	--	--	--	94.8	94.8	94.8	94.8	
	84	--	--	--	--	--	--	92.4	92.4	92.4	92.4	
	90	--	--	--	--	--	--	90.4	90.4	90.4	90.4	
	96	--	--	--	--	--	--	88.7	88.7	88.7	88.7	
	48"	48	--	--	--	--	54.0	54.0	100.0	121.3	100.0	121.3
		54	--	--	--	--	48.6	48.6	100.0	109.2	100.0	109.2
		60	--	--	--	--	45.0	45.0	100.0	101.1	100.0	101.1
		66	--	--	--	--	42.4	42.4	95.3	95.3	95.3	95.3
72		--	--	--	--	40.5	40.5	91.0	91.0	91.0	91.0	
78		--	--	--	--	--	--	87.6	87.6	87.6	87.6	
84		--	--	--	--	--	--	84.9	84.9	84.9	84.9	
90		--	--	--	--	--	--	82.7	82.7	82.7	82.7	
96		--	--	--	--	--	--	80.9	80.9	80.9	80.9	
54"		18	65.4	65.4	--	--	87.0	87.0	100.0	187.5	100.0	187.5
		24	52.6	52.6	--	--	70.1	70.1	100.0	157.7	100.0	157.7
		25	51.1	51.1	--	--	68.2	68.2	100.0	153.3	100.0	153.3
		27	48.6	48.6	--	--	64.8	64.8	100.0	145.6	100.0	145.6
		30	45.5	45.5	--	--	60.7	60.7	100.0	136.4	100.0	136.4
		32	43.8	43.8	--	--	58.5	58.5	100.0	131.9	100.0	131.9
		36	41.3	41.3	--	--	55.0	55.0	100.0	121.7	100.0	121.7
	37	40.7	40.7	--	--	54.3	54.3	100.0	117.3	100.0	117.3	
	42	--	--	--	--	51.7	51.7	100.0	108.6	100.0	108.6	
	48	--	--	--	--	50.1	50.1	100.0	102.3	100.0	102.3	
	54	--	--	--	--	48.0	48.0	100.0	108.0	100.0	108.0	
	60	--	--	--	--	43.9	43.9	98.8	98.8	98.8	98.8	
	66	--	--	--	--	41.1	41.1	92.4	92.4	92.4	92.4	
	72	--	--	--	--	39.0	39.0	87.6	87.6	87.6	87.6	



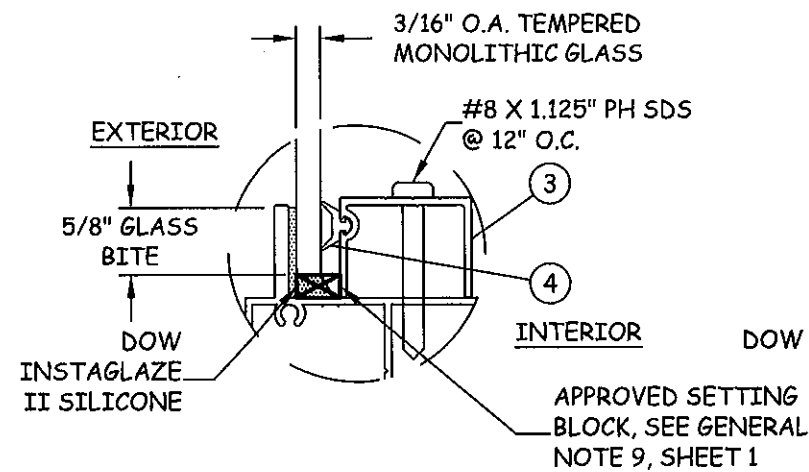
GLAZING DETAIL A



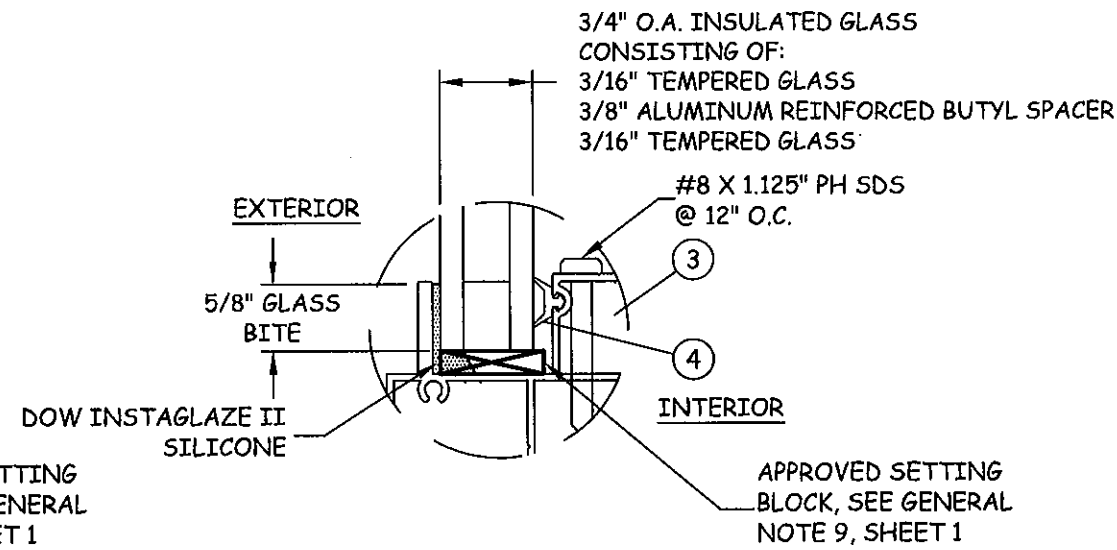
GLAZING DETAIL B



GLAZING DETAIL C



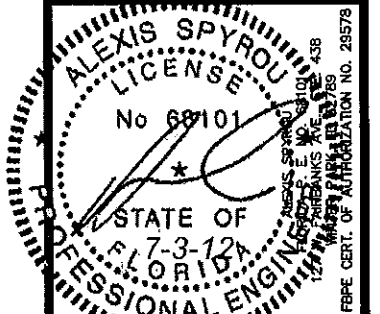
GLAZING DETAIL D



GLAZING DETAIL E

TITLE: SERIES 2550/TW FIXED WINDOW GLAZING DETAILS
PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS	NO.	DESCRIPTION	BY	DATE



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0313.07
Expiration Date March 24, 2016
By: *Maurice Perry*
Miami Made Product Control

DATE: 01.21.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS
DWG #: **ATR034**
SHEET: **8 OF 9**

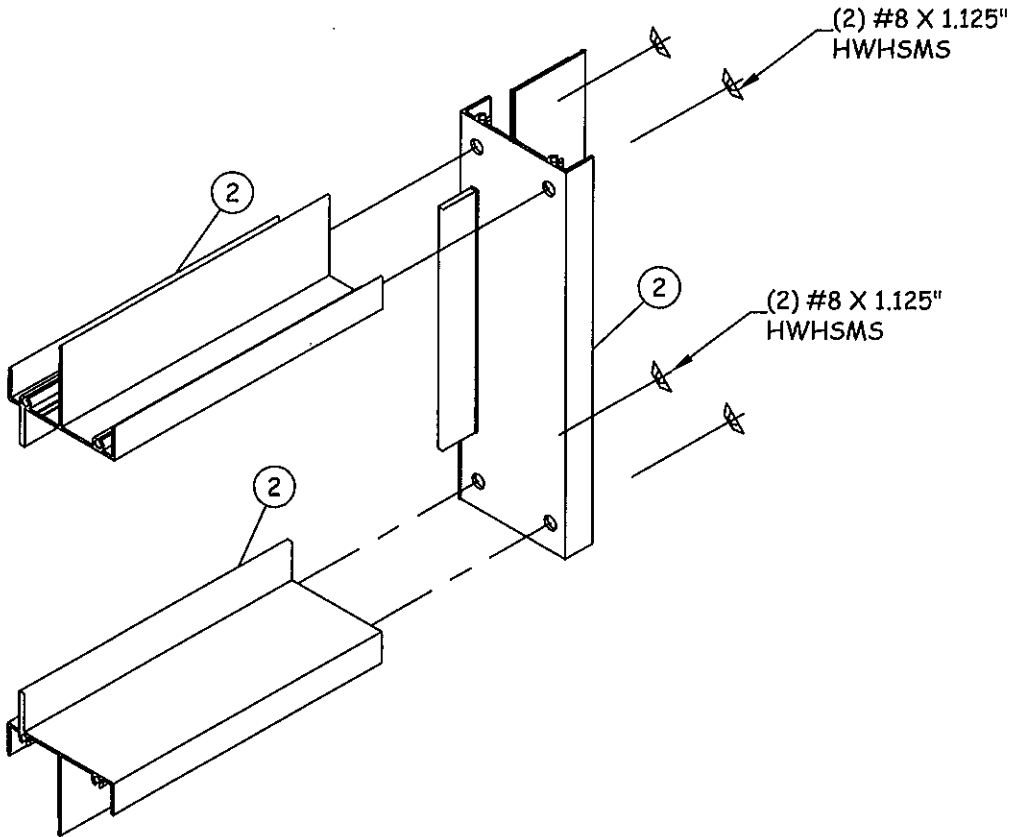
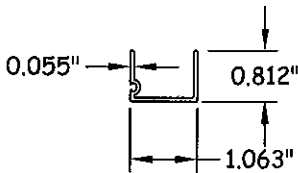
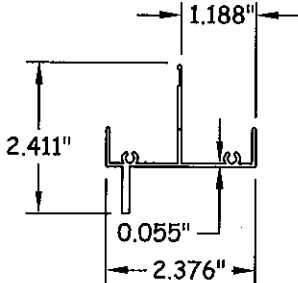
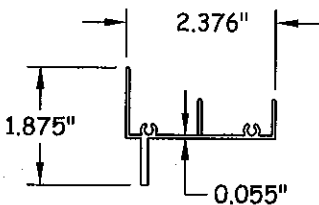
BILL OF MATERIALS			
NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FLANGE FRAME	ALUMINUM 6063-T52	ATRIUM
2	FIN FRAME	ALUMINUM 6063-T52	ATRIUM
3	GLAZING BEAD	ALUMINUM 6063-T52	ATRIUM
4	GLAZING GASKET	PVC	ATRIUM



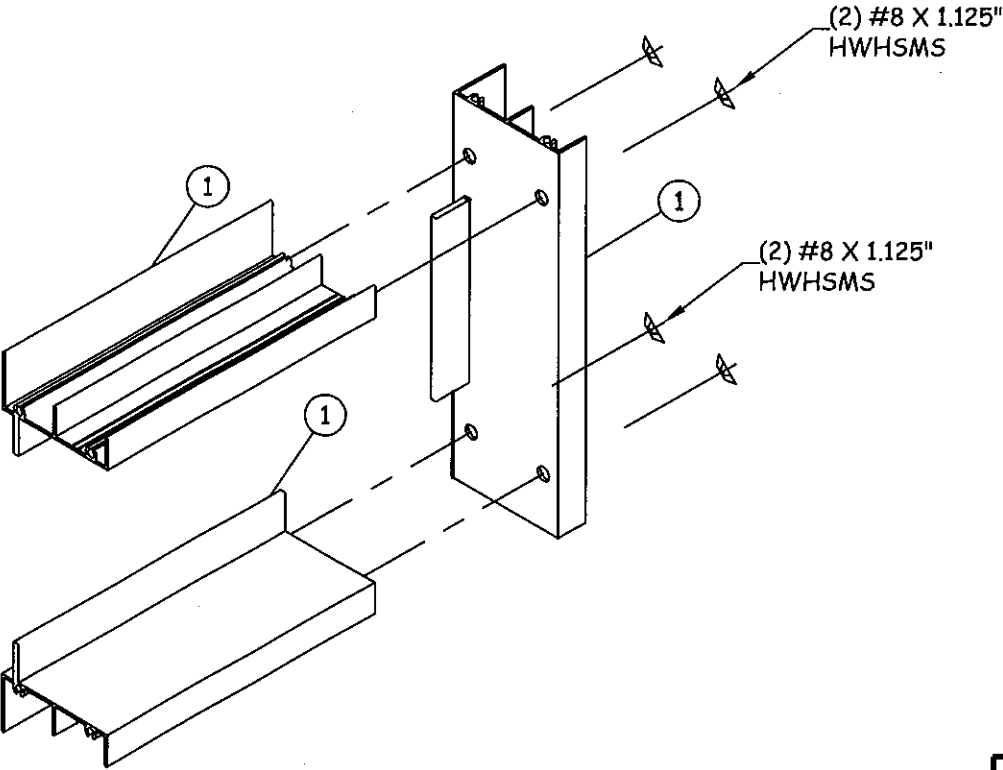
9001 AMBASSADOR ROW
DALLAS, TEXAS 75247
PH: (214) 637-2696 FX: (214) 424-6734

TITLE: SERIES 2550/TW FIXED WINDOW COMPONENTS, BILL OF MATERIALS, & CORNER SECTION ASSEMBLIES
PREPARED BY: BUILDING DROPS 127 W. FAIRBANKS AVE., STE. 438 WINTER PARK, FL 32789 PH: (407) 644-6957 FX: (407) 644-2366

- 1 FLANGE FRAME ALUMINUM 6063-T52
- 2 FIN FRAME ALUMINUM 6063-T52
- 3 GLAZING BEAD ALUMINUM 6063-T52
- 4 GLAZING GASKET PVC

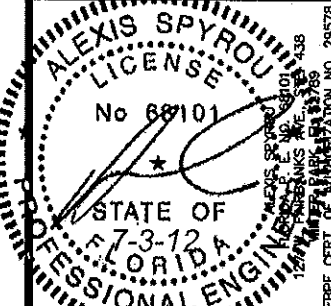


I
9 **CORNER SECTION**
FIN FRAME ASSEMBLY
TYPICAL



J
9 **CORNER SECTION**
FLANGE FRAME ASSEMBLY
TYPICAL

REVISIONS		DATE	BY
NO.	DESCRIPTION		



PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 12-0313.07
Expiration Date March 24, 2016
By *Mamuel Perez*
Miami Dade Product Control

DATE: 01.21.12
DWN BY: JLA
CHK BY: HFN
SCALE: NTS
DWG #: **ATRO34**
SHEET: **9 OF 9**